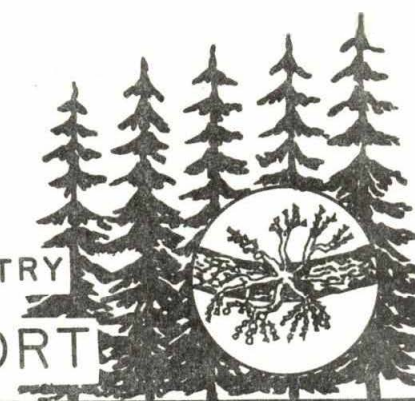




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INSECT AND DISEASE REPORT

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FOREST INSECT AND DISEASE DETECTION SURVEY
ON THE GALLATIN NATIONAL FOREST, MONTANA

by

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During July and September, the annual insect and disease detection survey was flown. Areas of the Forest north of Highway 90 were not flown. The following is a brief review of current conditions (Fig. 1).

MOUNTAIN PINE BEETLE, Dendroctonus ponderosae Hopk.--Infestations occur in many portions of the Gallatin drainage. Large groups of faded trees are evident in Logger, Hellroaring, Swan, Portal, and Dudley Creeks, and in the West Fork. Small groups occur in adjacent drainages. A few faders also appeared in the Yellowstone River drainage up Mill Creek and Six Mile Creek.

DOUGLAS-FIR BEETLE, Dendroctonus pseudotsugae Hopk.--Infestations appear comparatively light this year, with only the area south of Big Timber showing notable kills. This is a considerable reduction when compared to 1970.

WESTERN SPRUCE BUDWORM, Choristoneura occidentalis Free.--Western spruce budworm has shown a notable increase in defoliated areas this year. It is present in the Yellowstone River drainage near Yellowstone Park and in Squaw Creek off the Gallatin River. A total of 15,260 acres were defoliated by budworm on the Gallatin National Forest in 1971.

GALLATIN National Forest

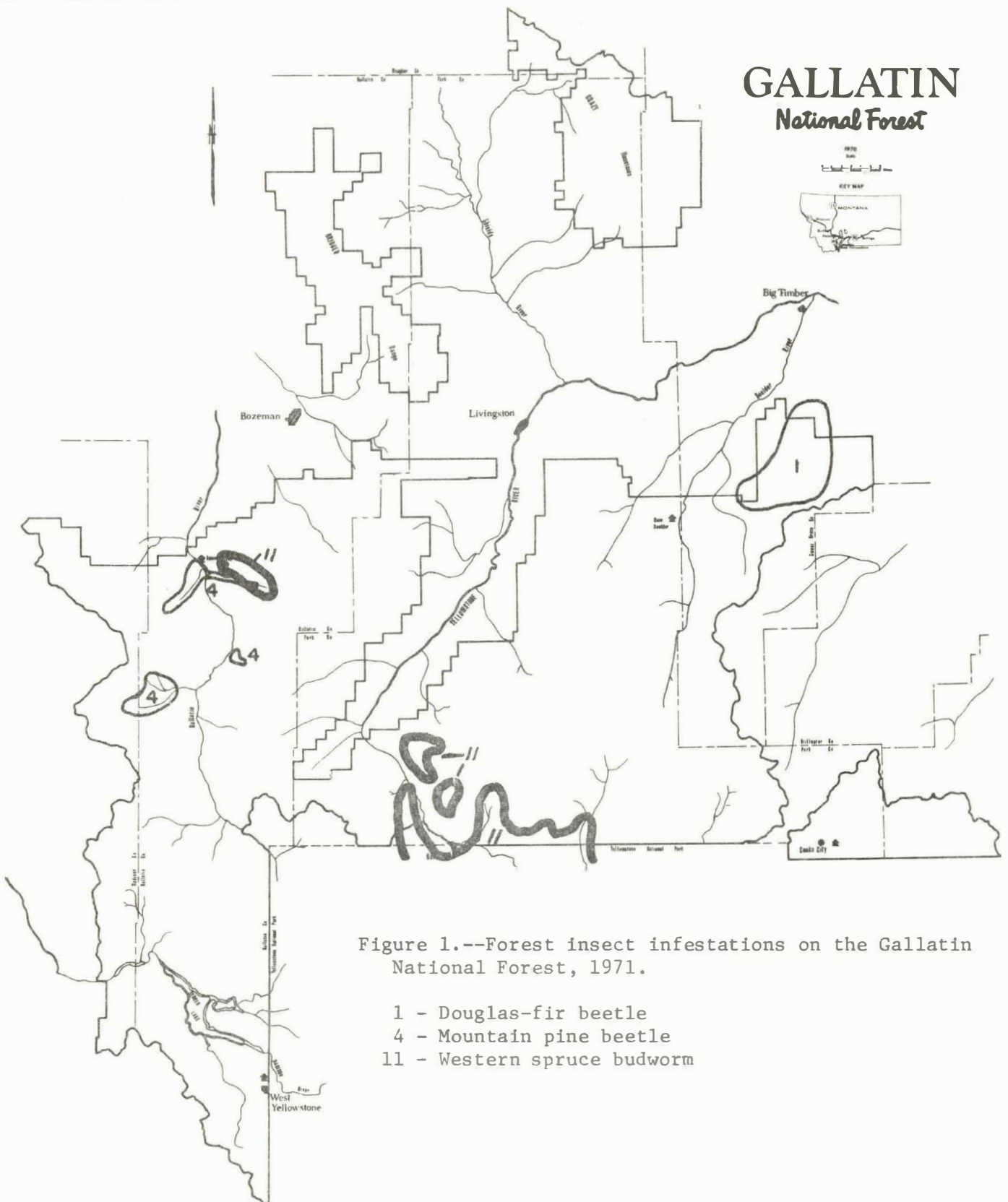


Figure 1.--Forest insect infestations on the Gallatin National Forest, 1971.

- 1 - Douglas-fir beetle
- 4 - Mountain pine beetle
- 11 - Western spruce budworm